

Statewide Transportation Data Development for Smart Maps

Presented to the MPO/RTPO/WSDOT
Coordinating Committee

December 17, 2002

What Is GIS?

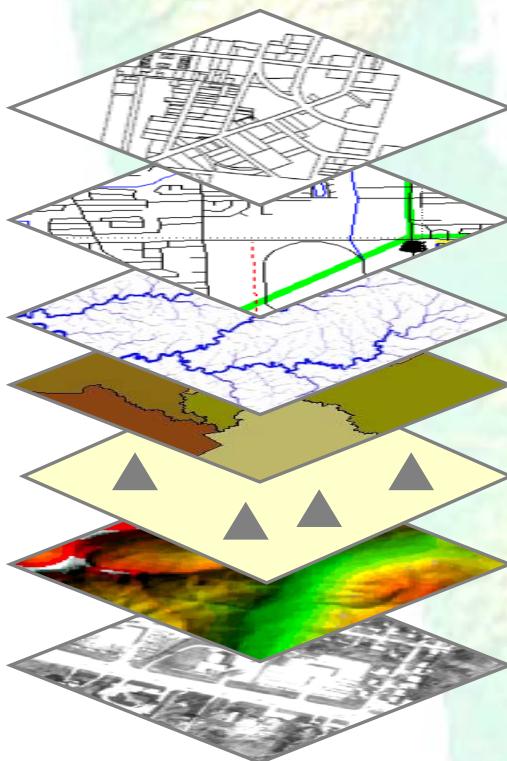
- A software that links locations to information about them so you can:
- Present information as maps.
- Analyze locations.
- Find potential sites based on a set of criteria.
- Integrate maps with information from a variety of sources (ex. WA-Trans).

What Are We Building?

- Transportation Framework (called WA-Trans)
 - A seamless set of geographically based data including roads and other modes that is connected, consistent and continuous between jurisdictions and boundaries and other framework layers. This data will consist of the best data available and will be continuously improved. This data will be useful for a large set of business needs.

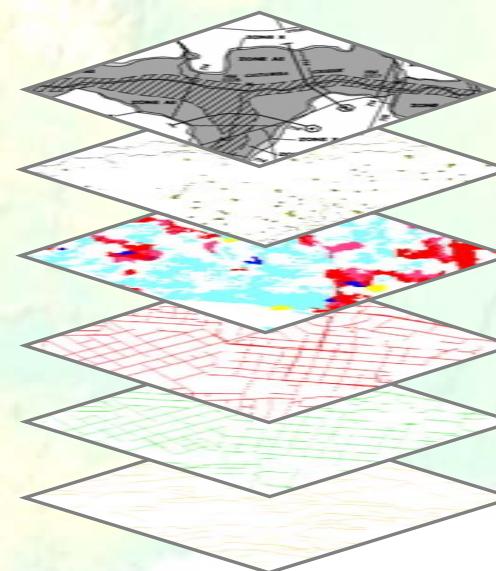
Framework Concept

Framework/Core Data



Cadastral
Transportation
Hydrography
Government Units
Geodetic Control
Elevation
Imagery

Other Thematic Data



Flood Zones
Demographic
Landcover
Biological
Economic
Social

What Is This Data?

MapQuest: Maps: map - Microsoft Internet Explorer provided by WSDOT Version: 5.5

File Edit View Favorites Tools Help

Back → Search Favorites History

Address: m/maps/map.adp?country=US&addtohistory=&address=18220+International+Boulevard&city=Seattle&state=WA&zipcode=98188&homesubmit.x=53&homesubmit.y=7 Go Links

maps

Address
Airport
ZIP Code
City
Area Code
Lat / Long
Road Atlas Key
Saved Maps

What's Nearby
Search for the nearest:
KOA
SixFlags
Chicken Ranch
Search Clear

Orbitz Travel Deals
Flights: Find low fares to the Seattle/Tacoma area!
Rental Cars: Find special offers on rental prices in the Seattle/Tacoma area!
Lodging: Save up to 75% on Orbitz Savers nationwide. Search Seattle, WA!

ORBITZ

18220 International Blvd
Seattle, WA 98188, US

STREET MAP AERIAL PHOTO NETWORK SPECIAL

Map a New Location Get Directions To This Location

PRINT MAP SAVE MAP DOWNLOAD MAP TO PDA E-MAIL MAP

NORTH S 200m 600ft 38th Ave S

General Parking
Ticketing/Check In
International Blvd
W Cargo Rd
Bow Lake
S 180th St
S 180th Pl
S 182nd St
S 183rd St
S 184th St
S 186th St
S 187th St
S 188th St
26th Ave S
CLICKING ON MAP WILL: Zoom In Re-center Move Location

ADDITIONAL MAP FEATURES: Customize Map Add A Location

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Map Legend NAVTECH ON BOARD

GREAT HOLIDAY DEALS FROM QWEST

THE GIFTS YOU WANT

ALL IN ONE PLACE

Go window shopping

Owest

Done

Internet

This image shows a Microsoft Internet Explorer window running on Windows XP. The title bar reads "MapQuest: Maps: map - Microsoft Internet Explorer provided by WSDOT Version: 5.5". The main content is a street map for the address 18220 International Blvd, Seattle, WA 98188, US. The map includes a legend for "STREET MAP", "AERIAL PHOTO", and "NETWORK SPECIAL". Navigation controls include "PRINT MAP", "SAVE MAP", "DOWNLOAD MAP TO PDA", and "E-MAIL MAP". On the left, there's a sidebar for "Orbitz Travel Deals" with sections for Flights, Rental Cars, and Lodging. On the right, there's a sidebar for "GREAT HOLIDAY DEALS FROM QWEST" with sections for "THE GIFTS YOU WANT" and "ALL IN ONE PLACE". The bottom of the page has copyright information and a "Map Legend" for "NAVTECH ON BOARD". The status bar at the bottom shows "Done" and "Internet".

If They Are Selling It Why Not Just Buy It?

- Local agencies and road authorities care the most about the accuracy of the data,
- We have the business need to keep the most up-to-date data,
- We can exercise the best quality control on our own data
- We can leverage existing data to do more!

What Will We Use This For?

- Linking transportation models built for travel demand forecasting across the state for motorized and non-motorized transportation planning, both short and long-term.
- Analysis of accident location along the transportation system and the transportation features in those locations.

What Else Will We Use It For?

- Maintenance – Feature Inventory,
- Environmental Assessment – Impervious Surface Analysis,
- Emergency Management – E-911 Address Mapping,
- Homeland Security – Transportation Vulnerability Assessments.

Who Is Working On This?

- WSDOT – lead
- WA DNR
- CRAB
- WA State Parks
- SFTA
- PSRC
- King County Metro
- Seattle DOT
- WA E-911
- WUTC
- 14 Counties
- 5 Federal Agencies
- 6 Cities
- 5 Tribes
- 3 Transit Organizations

What Can I Do?

- Let the appropriate person in your organization know about it.
- If your local government or organization isn't a partner encourage them to participate.
- Let them know we will be asking them what kind of data they have in the next few months.

How to Contact Me:

Tami Griffin

(360) 709-5513

grifit@wsdot.wa.gov

www.wsdot.wa.gov/mapsdata/transframework/default.htm

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TRAFFIC & ROADS PROJECTS BUSINESS ENVIRONMENTAL MAPS & DATA

TRANSPORTATION FRAMEWORK

PROJECT LINKS

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The Washington State Transportation Framework

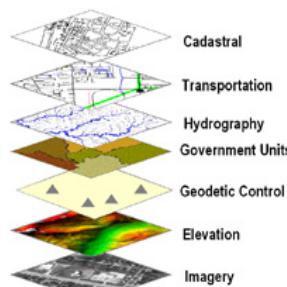
Welcome to the Washington Transportation Framework Project Internet site! The Washington Geographic Information Council, Framework Management Group, Washington State Department of Natural Resources and the Washington State Department of Transportation sponsor this site.

Project Manager:
Tami Griffin
360.709.5513
GriffiT@wsdot.wa.gov



[Business Needs as of October 22, 2002](#)
[Status Report as of October 15, 2002](#)
[Risk Assessment Draft as of December 4, 2002](#)

The Washington Statewide Transportation Framework Project (WA-Trans) was organized to create an electronic map of transportation data for use in Geographic Information Systems (GIS) across the state. This transportation data (called the transportation layer) will work with other statewide layers being developed or in existence including hydrography (water ways), cadastral (property boundaries), and [orthophotography](#). For more detail please read the [Executive Summary](#).



WA-Trans is preparing for a new effort. A new full-time project manager has been hired